

# .. REPORT ..

ON THE

## — HEALTH —

OF THE

.. BOROUGH OF WALSALL, ..

*DURING THE YEAR ENDING*

*DECEMBER 31st, 1904.*

BY

*JAMES SCOTT WILSON, M.D., D.P.H., F.C.S.,*

*Medical Officer of Health for the Borough.*

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WALSALL:

LITHOGRAPHIC COMPANY, MOUNTRATH STREET.

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1905.



# HEALTH COMMITTEE

OF THE

WALSALL CORPORATION, 1904.

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MR. COUNCILLOR JAMES WILLIAMS, Chairman.

MR. COUNCILLOR C. C. WALKER, Vice-Chairman.

MR. ALDERMAN T. P. BROWNHILL	MR. COUNCILLOR SHELLEY
„ „ CLARE	„ „ SHORE
„ „ SANDERS	„ „ THOMAS
„ COUNCILLOR DREW	„ „ VENABLES
„ „ PARKES	„ „ WILLIAMS, JOHN

Meet on the third Monday in each Month, at 3 p.m.

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*Medical Officer of Health.*

JAMES SCOTT WILSON, M.D., D.P.H., F.C.S.

*Chief Sanitary Inspector.*

ARTHUR THOMAS HUBBLE.

*Assistant Inspectors.*

ERNEST F. B. A. MINER (No. 1 District).

GEORGE H. RAWLING (No. 2 District).

FREDERICK LARGE (No. 3 District).

WALTER T. BLAKE (Clerk).



COUNTY BOROUGH OF WALSALL.

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SIXTEENTH

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

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*To the Mayor, Aldermen and Councillors of the County Borough of Walsall.*

MR. MAYOR AND GENTLEMEN,

I have the honour of presenting to you my Sixteenth Annual Report on the health and mortality of the Borough for the year 1904.

There has been again a slight increase in the death rate as compared with 1903. when 1,521 deaths took place with a rate of 17·18, and 1902, when 1,421 deaths took place with a rate of 16·33, while this year there have been recorded 1,670 deaths, giving a death rate of 18·55 and a corrected death rate of 18·3.

There has been a reduction in the number of cases of Scarlet Fever, Small-pox and Typhoid Fever, 332 cases of Scarlet Fever were reported against 881 cases last year and out of this number 16 died, giving the percentage of 4·32 against 2·95 in 1903.

One case of Small-pox has been notified, against 55 cases the preceding year. This case was that of a tramp admitted from the workhouse on January 19th, and was dismissed on February 20th, as cured and happily no further cases have occurred in the Borough.

Bronchitis, Pneumonia and Pleurisy were responsible for 297 deaths and Phthisis 138 deaths, as compared with 261 and 140 respectively last year. This is a considerable increase as compared with 1902, when 105 deaths were recorded.

It appears to me that this high death rate from Phthisis requires my special attention and some special measures should be taken. I regret that the Medical men of this town have not taken this matter up, only in 5 cases has any notification been given for disinfecting and fumigation and those not all from Medical men. We shall try and get every house disinfected from the returns of deaths, it must be remembered that Consumption is not inherited, but like many other well known diseases, it is caught, it is almost always caught either from a person who is suffering from the disease or through infected air, milk or possibly meat.

Intemperance, over-crowding, bad air, darkness, dampness, colds, sore throats are amongst the causes liable to make people take Consumption.

Consumption is caused by a germ which may also cause the disease of other parts of the body besides the chest, such as the bowels, especially in children.

Every person suffering from Consumption may give the disease to other persons by means of the spit which contains the germs, as long as the spit is moist it will not do much harm, but when dry becomes very dangerous, as the dust with its germs can get into the air breathed.



Cases of Consumption may be made almost harmless to other persons by preventing the spit from drying and becoming dust.

When out of doors there is not so much danger, as the germs are killed by sunlight and fresh air.

A special spit bottle should be carried in the pocket, failing this, a consumptive person should spit into a street gully, never on the footpath, tram-car, omnibus or railway carriage, it is better to spit on the ground than into a handkerchief, at the same time it must be remembered Consumption is not caused from the breath nor the skin. If proper precautions are taken, there is no danger from living with or being in the company of persons suffering from it.

I regret an increase of deaths among infants under 1 year of age, 537 deaths taking place this year, against 462 in 1903, this increase is due to the number of deaths from Diarrhœa, 102 children having died from that disease, as compared with 46 deaths in 1903.

It appears to me that some special measures should be taken here, no doubt that half of those cases are preventable. Health lectures are given now in all the large towns on the bringing up of children, more especially the feeding of infants, we should also notice the district and locality in which the death took place. I have no doubt whatever that the feeding bottle is at the bottom of it, the difficulty the mother has of keeping them clean, but if the mothers were to use the boat shaped bottles, which have no tube, this difficulty would be overcome and no doubt it would mean a number of lives saved.

Experiments have been going on with Cancer in London, but so far the cause of the disease has not been elucidated. Although in Walsall, the disease has been mostly amongst those living on clay soils, still we cannot point out clearly that this is the cause. The death rate is  $\cdot 58$  per 1,000 of the population, this then is rather a small death rate compared with the whole of England and Wales, which is  $\cdot 85$ .

I again take the opportunity of thanking the Chairman and the Health Committee for their great kindness and courtesy extended to me in my work and also the Hospitals Sub-Committee, who have done an immense amount of work in regard to the Hospitals.

I have also to thank the Chief Sanitary Inspector, Mr. Hubble, who has so ably performed the intricate duties of his office.

I have the honour to remain,

Mr. Mayor and Gentlemen,

Your obedient servant,

JAMES SCOTT WILSON, M.D., D.P.H., F.C.S.,

*Medical Officer of Health.*

Area.

## VITAL STATISTICS.

The area of the Borough is 7, 358 acres, giving a distribution of  $12\cdot 23$  persons per acre. The number of inhabited houses is 19,791, shewing an average of  $4\cdot 04$  persons per house.



# WALSALL COUNTY BOROUGH.

Causes of, and Ages at Death, during the Year 1904.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES).							Total Deaths in Public Institutions in the District.
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Walsall.	Bloxwich.	Rushall (part in Walsall).	Workhouse.	District Hospital.	S.P. Hospital.	Enteric Hos.	
Small-pox ... ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles ... ..	39	10	26	3	—	—	—	32	1	4	2	—	—	—	2
Scarlet Fever ...	16	—	9	6	1	—	—	12	4	—	—	—	—	—	—
Whooping-cough .	60	31	27	2	—	—	—	45	5	9	1	—	—	—	1
Diphtheria and mem- braneous croup ...	19	—	16	3	—	—	—	18	—	—	—	1	—	—	1
Croup ... ..	4	1	3	—	—	—	—	4	—	—	—	—	—	—	—
Fever { Typhus ... ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Enteric ... ..	8	—	1	1	2	4	8	—	—	—	—	—	—	—
Epidemic Influenza	4	—	—	—	1	2	1	2	2	—	—	—	—	—	—
Cholera ... ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Plague ... ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhœa .. ...	143	102	34	—	—	2	5	114	20	8	1	—	—	—	1
Enteritis ... ..	23	19	3	—	—	1	—	22	1	—	—	—	—	—	—
Puerperal Fever ...	2	—	—	—	—	2	—	1	—	—	1	—	—	—	1
Erysipelas... ..	2	—	—	—	—	1	1	1	—	—	1	—	—	—	1
Other septic diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Phthisis ... ..	138	7	16	9	27	76	3	98	10	2	23	5	—	—	28
Cancer, malignant disease ... ..	53	—	—	—	1	34	18	33	4	4	7	5	—	—	12
Bronchitis ... ..	164	38	11	—	1	51	63	122	29	7	6	—	—	—	6
Pneumonia ... ..	127	31	37	2	10	32	15	108	8	3	5	3	—	—	8
Pleurisy ... ..	6	—	—	1	—	5	—	5	1	—	—	—	—	—	—
Other diseases of respiratory organs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alcoholism— Cirrhosis of Liver	6	—	—	—	—	6	—	4	1	—	1	—	—	—	1
Venereal diseases ...	5	4	1	—	—	—	—	5	—	—	—	—	—	—	—
Premature Birth .	52	52	—	—	—	—	—	32	13	5	2	—	—	—	2
Diseases & Accidents of parturition ...	10	—	—	—	3	7	—	9	1	—	—	—	—	—	—
Heart diseases ...	68	2	1	4	3	40	18	52	5	6	3	2	—	—	5
Accidents ... ..	54	13	8	11	5	11	6	22	7	1	1	23	—	—	24
Suicides ... ..	11	—	—	—	1	9	1	5	2	1	—	3	—	—	3
All other causes ...	656	227	75	19	15	135	185	438	87	46	69	16	—	—	85
All causes ... ..	1670	537	268	61	70	418	316	1192	201	96	123	58	—	—	181



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Walsall is a manufacturing town, with residential suburbs, the staple trade being saddlery, although tube making and the manufacture of iron, employ a large number of hands. The town is built partly on limestone and partly on sand, with a clay subsoil. and partly on clay, the surface being uneven, some of the streets having a considerable incline. The house accomodation for the working classes is, on the whole, good, excepting in the very old parts of the town, where the streets are narrow and the ventilation inadequate. Owing to the rapid increase of the population large suburbs, consisting of streets of houses for the working classes, with a sufficiency of open spaces, nearly all having gardens, have been erected during the last few years.

General  
Character  
of District.

The staple trade of the town (Saddlery) has been suffering from general stagnation, owing to the late South African War, although the other industries in the town such as casting, the iron works, silver plating and clothiers have had a fair amount of trade.

The water supply is provided by the South Staffordshire Water Works Company, numerous samples have been submitted to the Borough Analyst for analysis and he has certified the water was found to be free from pollution and to be suitable for drinking and domestic use, although at times a vegetable growth is found in the water which makes it green, this may continue for a day or two, samples have then been taken and the water has been found free from pollution.

Water  
Supply.

It seems very strange that this vegetable matter has only appeared in the water since the reservoir at Barr Beacon has come into use, although it is said not to come from there.

The population at the last census was 86,430. I have reckoned it at the middle of this year to be 90,000.

Population.

## Births.

There have been registered 3,009 births, 1,524 males and 1,485 females, giving a rate per thousand per annum of 33·43. The birth rates during the last four years have been practically similar to one another, being 34·19, 34·77, 34·5 and 33·43 respectively.

The following table gives the number of births quarterly:—

Registration District.	1st. Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.	
	Male	Fem	Male	Fem	Male	Fem	Male	Fem
Walsall ... ..	323	286	302	291	254	314	267	249
Bloxwich ... ..	66	53	72	71	67	63	82	55
Rushall (part in Walsall)	20	25	17	29	28	23	26	26
Totals ... ..	409	364	391	391	349	400	375	330

## Deaths.

The total number of deaths from all causes was 1,670 giving a rate per thousand of 18·55, an increase on the rate of the preceding year which was 17·18.

The following table gives the mortality from all causes at subjoined ages according to locality:—

Locality.	At all ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upward.
Walsall	1192	433	199	38	50	284	188
Bloxwich ...	201	62	28	12	7	43	49
Rushall (part in Walsall) ...	96	33	18	—	4	19	22
Workhouse ...	123	7	9	—	6	48	53
District Hospit'l	58	2	14	11	3	24	4
Totals ...	1670	537	268	61	70	418	316

The next table gives the quarterly and annual death rate since 1896.

Year.	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Year.
1896	20·61	16·73	18·00	18·61	18·48
1897	21·35	17·80	24·75	19·40	20·82
1898	19·85	16·24	19·75	18·37	18·55
1899	18·60	16·14	23·90	19·27	19·48
1900	22·90	19·80	20·00	17·14	20·21
1901	18·17	14·47	19·83	17·89	17·59
1902	17·20	16·32	13·45	17·01	16·24
1903	17·12	16·18	16·67	18·75	17·18
1904	19·28	15·20	19·64	20·08	18·55



The number of deaths among infants under 1 year of age was 537, against 462 deaths in 1903. Out of 3,009 births registered, 537 died before reaching the age of 1 year giving a death rate per thousand births of 178.46. On comparing this with the total death rate, we find that it gives us a rate of 5.96 per thousand of the whole population a slight increase on that of the preceding year, when we had a death rate of 5.22 per thousand.

On looking over the following table, we find that there are 52 deaths from premature births, a percentage of deaths of 10.32.

The next table shews the diseases prevalent among infants under one year, and the number of deaths attributed to those diseases.

	1898	1899	1900	1901	1902	1903	1904
Diarrhœa ...	74	107	78	98	54	46	102
Convulsions ...	71	61	109	86	63	57	98
Premature Births ...	58	87	63	67	79	72	52
Pneumonia ...	35	35	49	28	40	43	31
Marasmus ...	39	36	63	50	24	17	25
Debility ...	44	20	25	34	25	34	31
Enteritis ...	31	89	27	25	24	30	19
Bronchitis ...	25	40	34	23	29	24	38
Meningitis ...	10	21	8	18	12	7	9
Whooping Cough ...	8	8	25	12	7	17	31
Phthisis ...	6	15	7	5	2	5	7
Measles ...	3	1	15	—	3	—	10
Tabes Mesenterica ...	4	5	8	7	5	1	10
Tubercular Peritonitis	—	—	4	—	3	—	1
Apthæ ...	—	3	2	3	—	3	2
Simple Atrophy ...	—	—	—	6	6	17	13
Asthenia ...	—	—	—	6	9	—	3
Thrush... ...	—	—	—	1	2	—	—
Gastritis ...	—	—	—	3	1	—	10
Dentition ...	—	—	—	—	4	—	4
Scarlet Fever... ..	—	—	—	—	—	1	—
Laryngitis ...	—	—	—	—	2	—	1
Small-pox ...	—	—	—	—	—	2	—
Heart Disease ...	—	—	—	—	1	—	2
Diphtheria ...	—	—	—	—	—	1	—
Croup .. ...	—	—	—	—	—	—	1
Icterus... ...	—	—	—	—	—	—	1



Coroner's  
Inquests.

One hundred and twenty-six enquiries into the causes of death have been held by the Coroner during the year, 80 of males and 46 of females. It was found that 57 of the deaths were from Accidents, 1 Still Born, 11 Suicides, 4 found Drowned, 2 from Murder, 50 from Natural Causes and 1 from Injuries.

## DEATHS FROM EPIDEMIC DISEASES.

Two hundred and ninety-seven deaths have taken place from epidemic diseases, giving a rate per thousand of 3·37. This is a great increase on the previous year, when we had 171 deaths recorded from epidemic diseases, giving a death rate of 1·93.

The death rate among children from Diarrhœa is accountable for the rise in deaths from these epidemic diseases.

The details are as follows :—

	Wal- sall	Blox- wich.	Rushall (part in Walsall)	Work- house	District Hospital	Isolation Hospital	Enteric Fever Hospital	Totals
Small-pox ... ..	—	—	—	—	—	—	—	—
Measles ... ..	32	1	4	2	—	—	—	39
Scarlet Fever ... ..	12	4	—	—	—	—	—	16
Whooping Cough ... ..	45	5	9	1	—	—	—	60
Diphtheria and Membranous Croup }	18	—	—	—	1	—	—	19
Enteric Fever ... ..	8	—	—	—	—	—	—	8
Influenza ... ..	2	2	—	—	—	—	—	4
Diarrhœa ... ..	114	20	8	1	—	—	—	143
Puerperal Fever ... ..	1	—	—	1	—	—	—	2
Erysipelas ... ..	1	—	—	1	—	—	—	2
Totals ... ..	233	32	21	6	1	—	—	293

The following table shews the number of deaths from Zymotic disease during the last ten years:—

	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904
Small-pox ... ..	—	—	—	—	—	—	—	1	4	—
Measles... ..	28	27	66	9	2	70	3	41	3	39
Scarlet Fever ... ..	2	23	29	13	4	4	17	23	26	16
Whooping Cough .. ..	2	50	11	20	24	47	28	15	37	60
Diphtheria and MembraneousCroup	13	16	9	11	12	24	10	16	9	19
Croup ... ..	—	—	—	—	—	2	2	—	2	4
Enteric Fever ... ..	10	11	13	22	14	13	12	23	19	8
Influenza ... ..	—	—	—	—	—	32	6	7	5	4
Diarrhœa ... ..	162	71	170	114	145	101	119	66	61	143
Puerperal Fever ... ..	1	2	4	3	8	5	1	1	3	2
Erysipelas .. ..	2	1	—	4	5	2	1	5	4	2
Other Septic Diseases ... ..	—	—	—	—	—	2	—	—	—	—
Totals ... ..	220	201	302	196	214	302	199	198	173	297

The next table shews the Zymotic death rate for the last ten years:—

	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904
Small-pox ... ..	—	—	—	—	—	—	—	·01	·04	—
Measles ... ..	·36	·34	·82	·11	·02	·82	·03	·47	·03	·43
Scarlet Fever ... ..	·02	·29	·36	·16	·04	·04	·19	·26	·29	·17
Whooping Cough .. ..	·02	·64	·15	·24	·28	·55	·32	·17	·42	·66
Diphtheria and MembraneousCroup	·16	·19	·11	·12	·14	·28	·11	·18	·11	·21
Croup ... ..	—	—	—	—	—	·02	·02	—	·2	·04
Enteric Fever ... ..	·13	·14	·16	·27	·16	·15	·13	·26	·22	·08
Influenza ... ..	—	—	—	—	—	·34	·06	·08	·05	·04
Diarrhœa .. ..	2·13	·91	2·12	1·40	1·74	1·02	1·37	·75	·68	1·58
Puerperal Fever ... ..	·01	·02	·05	·03	·09	·05	·01	·01	·03	·02
Erysipelas ... ..	·02	·01	—	·04	·06	·02	·01	·05	·04	·02
Other Septic Diseases	—	—	—	—	—	·02	—	—	—	—
Totals ... ..	2·86	2·54	3·77	2·37	2·53	3·31	2·25	2·24	1·93	3·25

## INFECTIOUS DISEASES.

There has been a great decrease in the number of infectious cases notified by Medical men during the year, 519 cases being reported against 1161 notified last year. The decrease is due to the abatement of the Scarlet Fever epidemic, there being only 332 cases of the disease notified against 881 in 1903.

The following table shews the number of Infectious cases notified during the last ten years :—

1895	1896	1897	1898	1899	1900	1901	1902	1903	1904
297	742	1036	585	435	584	686	800	1161	519

The next table shews the distribution and number of cases notified :—

	Total.	Walsall	Blox-wich.	Work-house.	District Hospital
Small-pox ... ..	1	—	—	1	—
Diphtheria ... ..	44	42	1	—	1
Membranous Croup ...	16	14	—	—	2
Erysipelas ... ..	88	62	15	9	2
Scarlet Fever ... ..	332	210	120	—	2
Enteric Fever ... ..	33	27	6	—	—
Puerperal Fever ... ..	5	5	—	—	—
Totals ... ..	519	360	142	10	7

Fees paid to  
Medical Men

The fees paid to medical men for Notification Certificates amount to £60 18 0, or an average of 13/6 $\frac{2}{5}$  per thousand of the population.

The following table shews the fees paid to medical men during the past ten years :—

Year.	Amount Paid.			Amount per 1000 of population.		
	£	s.	d.	£	s.	d.
1895	29	19	6	0	7	10 $\frac{1}{2}$
1896	72	5	0	0	18	3 $\frac{1}{2}$
1897	141	0	0	1	15	3
1898	68	18	6	0	17	1
1899	51	11	6	0	12	7 $\frac{3}{4}$
1900	61	8	6	0	14	5 $\frac{1}{2}$
1901	80	17	6	0	18	7
1902	87	6	6	0	19	11 $\frac{1}{2}$
1903	133	18	0	1	10	3
1904	60	18	0	0	13	6 $\frac{2}{5}$



There were 387 houses in which Infectious Disease was notified. Disinfectants are given out free of charge while the patient is in the Infectious stage, Carbolic Acid fluid, Perchloride of Mercury and Carbolic powder being used, afterwards the house is fumigated by the Sanitary Inspector with Sulphurous Acid fumes or Formalin. A special preparation of lime is given to the occupiers to whitewash the walls and the cost of this disinfecting and fumigation is about one shilling and eightpence per infected house or a cost of £32 per annum. Fumigation  
and  
Disinfectants

There has occurred only one case of Small-pox during the year, being a tramp admitted from the Work-house, there has been no return cases, and the town has been practically free from Small-pox during the year. Isolation  
Hospital.

Three hundred and thirty-two cases of Scarlet Fever have been notified, 7 of which were under 1 year, 116 between 1 and 5, 187 between 5 and 15, 16 between 15 and 25, and 6 between 25 and 65 years of age. This is a great decrease in the number reported last year when there were 881 cases. Scarlet  
Fever.

Sixteen deaths took place, none under 1 year of age, 9 between the ages of 1 and 5 years, 6 between the ages of 5 and 15, and 1 between the ages of 15 and 25, giving a percentage of mortality on the cases notified of 4.82.

There has been a great decrease in the number of cases of Enteric Fever notified, 33 cases being recorded this year against 70 cases in 1903. Enteric  
Fever.

I consider that the opening of the Hospital in Hospital Street has been the means of keeping this disease under control, on two occasions did we succeed in stamping out what would have been serious epidemics. On the first occasion 2 cases occurred in a lodging house and again in Green Lane and Little Street. 8 deaths took place from this disease, one between 1 and 5 years of age, 1 between

the age of 5 and 15, 8 between 15 and 25, and 4 between the age of 25 and 65 years.

As soon as the cases have been removed to the Hospital, the house drains have been well flushed and the houses fumigated by the Inspectors.

**Diphtheria.** Forty-four cases of Diphtheria have been notified during this year against 47 reported during 1903, and 16 of Membraneous Croup against 9 reported last year. It appears we have not had such an epidemic of Diphtheria, as they have had in some towns, in fact, the notification of Diphtheria are 3 less than during 1903.

The deaths from the two diseases were 19, between 1 and 5 years, 16 deaths, and between 5 and 15, 3 deaths.

**Erysipelas.** The number of cases of Erysipelas notified shew a slight decrease when compared with the preceding year, 88 cases being reported against 93 during 1903.

Two deaths took place, 1 being between 25 and 65, and 1 upwards of 65 years of age, and of the 88 cases notified, 6 were between the ages of 1 and 5, 9 were between 5 and 15, 10 were between 15 and 25, 43 were between 25 and 65, and 20 were upwards of 65 years.

**Puerperal Fever.** There have been notified 5 cases of Puerperal Fever against 6 in the previous year, 2 of which died between the ages of 25 and 65 years.

**Measles.** Thirty-nine deaths were recorded as having taken place from Measles, against 3 during the previous year. The town has been visited by a rather severe epidemic of Measles, this took place during the months of May, June and July.

The deaths were of children, 10 were under 1 year, 26 between the ages of 1 and 5, and 3 between 5 and 15 years.



# WALSALL COUNTY BOROUGH.

Cases of Infectious Diseases Notified during the Year 1904.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.				NO. OF CASES RE-MOVED TO HOSPITAL FROM EACH LOCALITY			
	At all Ages.	Under 1 year.	1 to 5 years.	5 to 15 years.	15 to 25 years.	25 to 65 years.	65 and upwards.	Walsall.	Bloxwich.	Workhouse.	District Hospital	Walsall.	Bloxwich.	Workhouse.	District Hospital
Small-pox ...	1	—	—	—	—	1	—	—	—	1	—	—	—	1	—
Cholera ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria ...	44	1	23	9	4	7	—	42	1	—	1	—	—	—	—
Membranous croup ...	16	1	13	2	—	—	—	14	—	—	2	—	—	—	—
Erysipelas ...	88	—	6	9	10	43	20	62	15	9	2	—	—	—	—
Scarlet fever ...	332	7	116	187	16	6	—	210	120	—	2	—	—	—	—
Typhus fever ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric fever ...	33	—	3	4	7	18	1	27	6	—	—	4	—	—	—
Relapsing fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Continued fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal fever	5	—	—	—	2	3	—	5	—	—	—	—	—	—	—
Plague .. ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	519	9	161	211	39	78	21	360	142	10	7	4	—	1	—

Isolation Hospital for Small-pox, at Sneyd Lane, Bloxwich.

„ „ for Enteric Fever, at Hospital Street, Walsall.



There has been a great increase in the number of Diarrhœa. deaths from Diarrhœa, as compared with those taking place last year, 143 this year while last year we only had 61 deaths.

One hundred and two were infants under 1 year of age, 34 between 1 and 5 years, 2 between 15 and 25 years, 5 upwards of 65 years of age.

I hope, however, that this year (1905), when the season for Diarrhœa comes on, that better care will be taken in the nursing, feeding and treatment of children.

There have been 4 deaths from Influenza against 5 in the preceding year, 1 between the ages of 15 and 25, 2 between 25 and 65, and 1 over 65 years. Influenza.

### SANITARY WORK.

This work is performed by three Inspectors and one chief, whose duties are to superintend the work of the Assistant Inspectors, to formulate reports on any special matter and he also performs the duties of Inspector under the Sale of Food and Drugs Acts, and The Canal Boat Acts, he also visits and reports to me on all cases of Infectious Disease occurring in the Borough and attends to all correspondence.

The reports furnished by the other Inspectors are overlooked by him so that he is able to control their work.

The work of the Assistant Inspectors consists of, for three days a week, house to house inspection for the purpose of ascertaining the condition of premises in their respective districts, by this means nuisances are detected which otherwise might go un-noticed, then they have to revisit premises on which they have reported nuisances, the other three days are taken up with visiting Milk-sellers, Dairies, Cow sheds, Slaughter-houses, Fish-yards, Bake-houses,

Workshops, &c., the superintendence of alterations to drains, and the conversion of privies into water-closets for the abatement of nuisances, the testing with smoke of drains alleged to be defective, the fumigation of houses in which infectious disease has been notified, and re-visiting those houses to see that the walls are stripped and lime-washed. Each Inspector serves the notices in his own district requiring abatement of nuisances and for disinfection of infected houses.

Abatement  
of  
Nuisances.

Eleven thousand, five hundred and sixty-seven houses have been visited and reported upon, 281 conversions of privies into water-closets have been made during the year. Under the Housing of the Working Classes Act, old property unfit for habitation has been seen to, 14 houses having been reported upon, 9 of which were repaired and made fit for human habitation and 5 being closed by order of the Magistrates.

A number of old privies still exist, I am of opinion nuisances will occur from structural defects and from the excreta chamber, I should advise if the district be sewered, for all old privies to be converted into water-closets and so avoid this nuisance.

Privies and  
Excrement  
Disposal.

There is still a great number of privies in the Borough, especially about Bloxwich, Darlaston Road, Wolverhampton Road, and although these are regularly and efficiently cleansed by the Borough Surveyor's Department, in my opinion they are a nuisance, as any method by which excreta is retained in a receptacle instead of being instantly disposed of, is a dangerous and insanitary one.

House  
Refuse  
Disposal.

No occupier is required to empty his own ashpit, this is done by the Borough Surveyor's department, the ashpits are made small, the floors are level with the yard, therefore it is necessary to have them frequently emptied



and disinfected, carbolic powder being used. Destructors in which this refuse can be destroyed, are now made in London by a firm that can return to you a paying dividend on the money laid out and if this were done it would meet a great difficulty.

The following table will shew the work done in connection with the substitution of water closets for old privies and the re-construction of house drains, with the number of traps, drain ventilating shafts and inspection chambers provided.

	No. 1 District	No. 2 District.	No. 3 District.	Total
No. of old privies dispensed with and water closets substituted ...	55	98	128	281
New drain pipes, yards in length ...	1665	1035	1700	4400
No. of syphon gully traps (replacing obsolete type) ...	299	189	225	713
No. of drain ventilating shafts ...	51	53	54	158
No. of inspection chambers... ..	32	33	44	109

I am pleased to say that the old type of brick or quarry sink in cottage property is being replaced by sinks made of glazed earthenware, fitted with a glazed waste pipe discharging on to a channel in the open air. In the table below we see the number of sanitary sinks fitted during the last four years.

Year.	No. 1 District	No. 2 District	No. 3 District	Totals.
1901	22	10	27	59
1902	66	101	92	259
1903	204	85	157	446
1904	130	70	126	326



In many instances nuisances have been dealt with arising from the accumulation of foul smelling water in cellars, and on a test of the house drain being made, it has been found that it was choked near the sewer connection, and that the drain joints were defective, in some cases having been made with clay and in others, the spigot end of the drain pipe had been placed in the socket of next pipe without any joint at all being made, allowing the liquids to percolate through and so find their way into the cellars. In the re-laying of those drains, we have had the joints made with spun yarn and cement, which renders the drain thoroughly water-tight and so prevents the sewage from soaking through.

Inspection chambers have been provided at the principal junctions, and are fitted with air-tight covers. Properly trapped inlets are fixed in suitable positions for receiving the surface drainage and the discharges from sink or bath waste pipes, and ventilating shafts are fitted at the upper end of the drains.

Black Smoke  
Nuisance.

Some people think and say that black smoke means money and would like to see more of it, although this is a fallacy, the fine particles of carbon floating in the air are inhaled, giving rise to injurious effects in people who inhale it, causing bronchial affections. In the aged poor it is difficult to say how much Chronic Bronchitis and other affections are due to contaminated atmosphere.

I think this condition ought to receive more attention.

Common  
Lodging  
Houses.

The Common Lodging Houses are in the hands of the Police, who take notice of the suitability of the premises on receiving a satisfactory report from me and afterwards look after their sanitary condition. This I consider an unsatisfactory arrangement, I think the Sanitary Inspector is the proper official to look after the Common Lodging Houses.

There are 22 Common Lodging Houses, containing 128 rooms registered as sleeping apartments and accommodating 462 persons.

Of this class of house there are about 10 or 12 in the Borough. The class of person using these are practically the same as those using the Common Lodging Houses, only they take the room for a week. <sup>Houses let in Lodgings.</sup>

There are no bye-laws in force in the Borough dealing with such houses, any nuisance which arises is dealt with under the nuisance clauses contained in the Public Health Act, 1875, but the Local Government Board may empower a Local Authority to make bye-laws as to lodging house of this class. Sec. 90 of the Public Health Act, 1875, states "The Local Government Board may, if they think fit, by notice published in the London Gazette, declare the following enactment to be in force within the district or any part of the district of any local authority and from and after the publication of such notice, such authority shall be empowered to make bye-laws for the following matters (that is to say).

(1) For fixing and from time to time varying the number of persons who may occupy a house or a part of a house which is let in lodgings or occupied by members of more than one family, and for the separation of the sexes in a house so let or occupied.

(2) For the registration of houses so let or occupied.

(3) For the inspection of such houses.

(4) For enforcing drainage and the provision of privy accommodation for such houses and for promoting cleanliness and ventilation in such houses.

(5) For the cleansing and lime-washing at stated times of the premises, and for the paving of the courts and courtyards thereof.

(6) For the giving of notices and the taking of precautions in case of any infectious disease. This section shall not apply to common lodging houses within the provisions of this Act relating to common lodging houses.

I think that some steps should be taken to control these premises, which need supervision quite as much as common lodging houses.

Over-crowding.

Fourty-three notices of over-crowding in dwelling-houses have been served. In 26 cases the families have removed to more commodious premises, and in the remaining cases the number of inmates have been reduced.

Slaughter-houses.

The number of private Slaughter-houses in use is 47 of which 36 are registered, having been in use previous to the passing of the Public Health Act 1875, and 11 are licensed.

Two new Slaughter-houses have been licensed this year, one at Old Lane, Bloxwich, and one at the rear of 18 The Birchills.

These are inspected weekly to see that the bye-laws are complied with, and that the meat prepared there is of a wholesome character. In one slaughter-house a cement concrete floor has been laid,

The provision of a Public Slaughter-house is a thing of the future, although it would be a distinct advantage to the butchers themselves as well as to the Inspectors for examination purposes.



There are in use 78 Bakehouses of which 7 are Bakehouses. factories, they are mostly in a fair sanitary condition, some of them very good indeed. The Sanitary Inspectors regularly inspect and report on their condition.

There are 43 Cowsheds in the Borough having 436 Dairies, cows, and we have 245 milk sellers. The size of all new Cowsheds and cowsheds is regulated by a bye-law, which gives each Milkshops. animal  $4\frac{1}{2}$  feet  $\times$  14 feet floor room.

The Borough Engineer is now experimenting at Sewage Brockhurst Sewage Farm with continuous filters which Disposal. have fulfilled the purpose fairly well, however, I should think it better before expending a lot of money to continue experimenting for some time.

#### FACTORY AND WORKSHOP ACT.

We have 787 workshops on the register, each of which has been visited. 1096 inspections in all have been made and in 140 cases notices have been served, 24 of which were reported by H.M. Inspector of Factories. All these nuisances have been remedied.

We have received during the year from H.M. Inspector of Factories, notices of 69 newly occupied workshops.

Thirty-nine newly occupied workshops and 90 removals have been reported by the Sanitary Inspectors.

There are 200 outworkers in connection with about 20 factories. There is still a difficulty in getting the outworkers list regularly in accordance with the Act. Each of the homes of the outworkers has been visited and the room used found to be in a fairly sanitary condition.

In several cases it has been found necessary to temporarily prohibit home work in houses in which infectious disease has occurred.

The following is a list of the trades carried on in the workshops in the Borough :—

Description of Trade.	Number.
Awl Blade Makers ... ..	8
Basket Makers ... ..	3
Bakers ... ..	71
Bit Makers ... ..	28
Blacksmiths ... ..	10
Brass Dressers ... ..	10
Brush Makers... ..	8
Boot and Shoe Makers... ..	28
Cart Gear, Hames, Spring Bars and Curb Makers ... ..	28
Cabinet Makers and Upholsterers ... ..	14
Chasers ... ..	12
Chain Makers... ..	11
Curriers ... ..	12
Cycle Makers ... ..	7
Coach Builders and Wheelwrights ... ..	14
Dressmakers ... ..	43
Fancy Leather Goods and Purse Makers...	25
File Cutters ... ..	6
Harness, Bridle and Horse Collar Makers	94
Harness Furniture & Spring Hook Makers	39
Joiners ... ..	20
Lock and Key Smiths ... ..	10
Milliners ... ..	15
Platers ... ..	39
Plumbers ... ..	4
Saddlers, Whip & Horse Clothing Makers	75
Saddle Tree Makers ... ..	10
Saddlers' Tool Makers ... ..	5
Stirrup and Spur Makers ... ..	24
Tailors ... ..	54
Miscellaneous ... ..	60
787	



	No.	1	2	3	No. of Rooms and Persons employed in Workshops.
No. of rooms in workshops where men only are employed ...	...	146	153	92	
Ditto females ...	...	33	34	8	
Ditto males and females ...	...	117	105	28	
No. of persons employed in work- shops, males ...	...	1,429	1,176	454	
Ditto females ...	...	864	945	129	

### FOOD AND DRUGS ACTS.

One hundred and thirty-three samples of Food and Drugs have been submitted to the Borough Analyst, 13 were found to be adulterated, 11 of which were of milk and 2 of Brandy (for details see Table VI of Sanitary Inspector's Report).

### MIDWIVES' ACT.

There are 45 women who have made application for registration under the above Act, having been in bona-fide practice as midwives for 12 months previous to 31st July, 1902.

Each has received the Certificate of the Central Midwives' Board, and has been supplied with a copy of the rules and have obtained a copy of the register in which to enter all cases which they attend.

I have no doubt other applications will be made after the 1st of April next year when any person wishing to be registered must produce her certificate from a training institution.

## RAINFALL.

I am indebted to Mr. Best for his kindness in supplying me with the following table, shewing the rainfall for the last seven years.

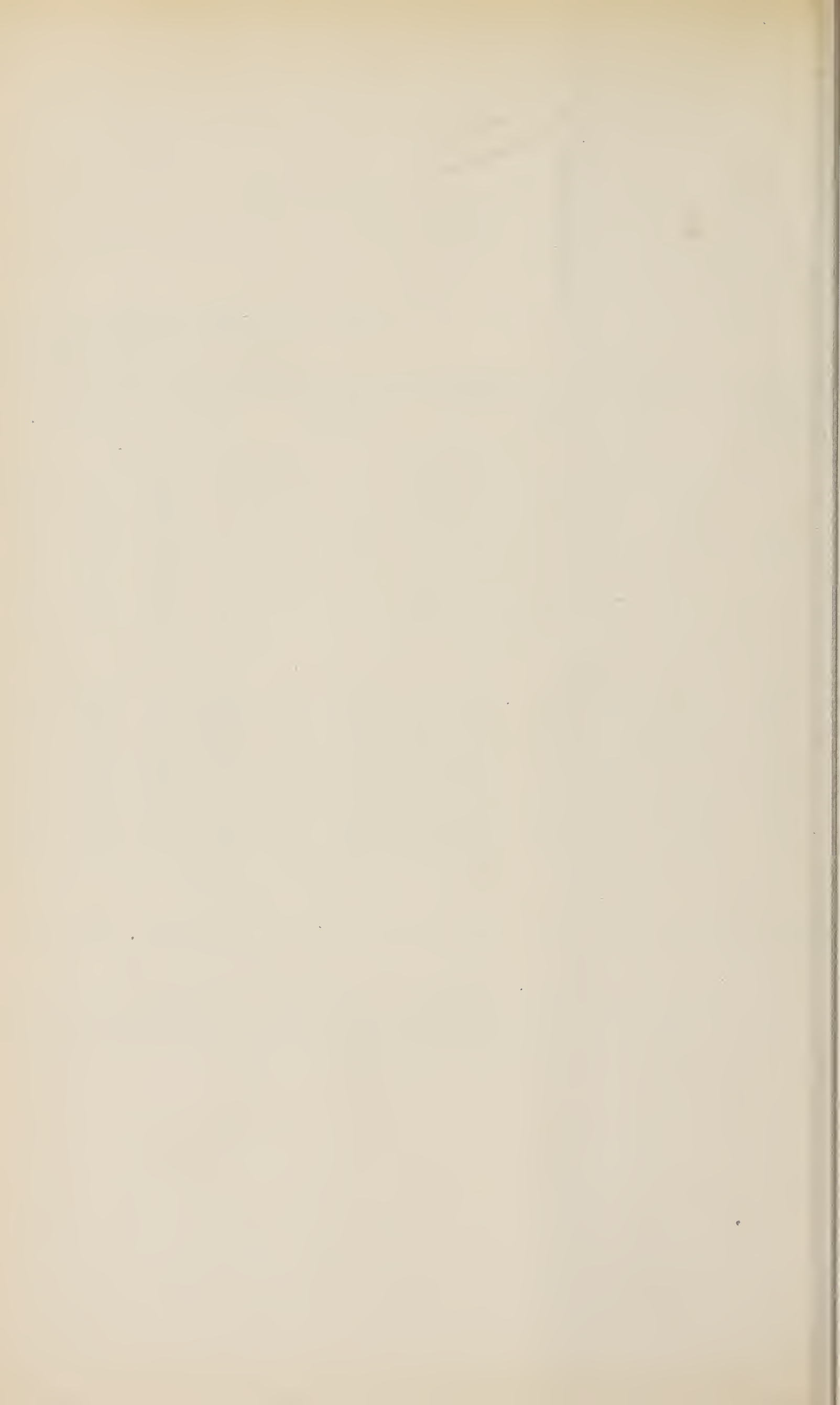
Month.			1898	1899	1900	1901	1902	1903	1904
January	...	..	1.44	3.71	3.59	1.55	1.08	2.37	2.58
February	...	...	1.64	2.16	4.56	2.06	1.63	1.41	4.14
March	...	...	1.44	1.02	0.81	2.05	1.35	5.11	1.79
April	...	...	1.76	2.51	1.08	1.92	2.22	1.80	1.30
May	...	...	5.36	1.92	1.98	1.34	2.92	2.16	2.73
June	...	...	1.86	3.02	2.79	3.20	2.21	1.83	0.39
July	...	...	1.80	0.92	3.27	2.59	4.13	1.89	2.21
August	...	...	1.97	2.34	3.68	2.59	4.13	5.20	3.03
September	...	...	0.53	4.29	0.94	0.74	1.83	3.54	2.13
October	...	...	3.48	3.15	3.18	2.29	2.62	6.11	0.75
November	...	...	2.63	1.73	2.64	1.48	2.48	2.08	1.73
December	...	...	2.42	2.39	3.96	5.30	1.97	1.99	1.73
Totals	...	...	26.33	29.16	32.48	27.11	28.63	35.49	24.51



Vital Statistics of separate localities in 1904 and previous years.

WALSALL COUNTY BOROUGH.

Names of Localities.	Whole District.				Walsall.				Bloxwich.				Rushall (part in Walsall).				Workhouse.				District Hospital.				Epidemic Hospital.			
Year.	Population estimated to middle of each year.	Births Registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1894	75,000	2,570	1,234	392	62,280	1,950	856	303	12,720	469	190	58	—	151	61	26	—	—	89	3	—	—	28	1	—	—	10	1
1895	76,000	2,604	1,563	532	63,000	2,010	1,167	436	13,000	444	191	67	—	150	76	28	—	—	88	1	—	—	41	—	—	—	—	—
1896	78,000	2,693	1,442	454	64,500	2,054	1,009	347	13,500	475	220	73	—	164	79	28	—	—	89	5	—	—	45	1	—	—	—	—
1897	80,000	2,751	1,666	550	66,000	2,120	1,229	446	14,000	467	214	68	—	164	86	29	—	—	83	5	—	—	54	2	—	—	—	—
1898	81,000	2,921	1,503	470	66,700	2,203	1,036	369	14,300	502	214	64	—	216	99	38	—	—	107	3	—	—	47	1	—	—	—	—
1899	83,000	2,804	1,617	565	68,200	2,150	1,153	444	14,800	497	221	90	—	157	85	25	—	—	105	5	—	—	53	1	—	—	—	—
1900	84,000	2,858	1,695	560	69,000	2,167	1,180	420	15,000	506	252	90	—	185	99	41	—	—	115	5	—	—	52	4	—	—	—	—
1901	86,500	2,958	1,522	516	61,544	2,277	1,076	404	16,956	528	210	77	8,000	153	72	29	—	—	118	5	—	—	46	1	—	—	—	—
1902	87,500	3,043	1,421	424	62,200	2,344	994	324	17,200	549	198	75	8,100	150	68	19	—	—	109	4	—	—	51	2	—	—	1	—
1903	88,500	3,054	1,521	462	62,800	2,394	1,073	363	17,450	518	205	74	8,250	142	78	21	—	—	91	—	—	—	68	2	—	—	6	2
Averages of Years 1894-1903	81,950	2,825	1,518	492	64,622	2,166	1,077	385	14,892	495	211	73	8,116	163	80	28	—	—	99	3	—	—	48	1	—	—	1	3
1904	90,000	3,009	1,670	537	64,000	2,286	1,192	430	17,700	529	201	61	8,300	194	96	33	—	—	123	7	—	—	58	2	—	—	—	—





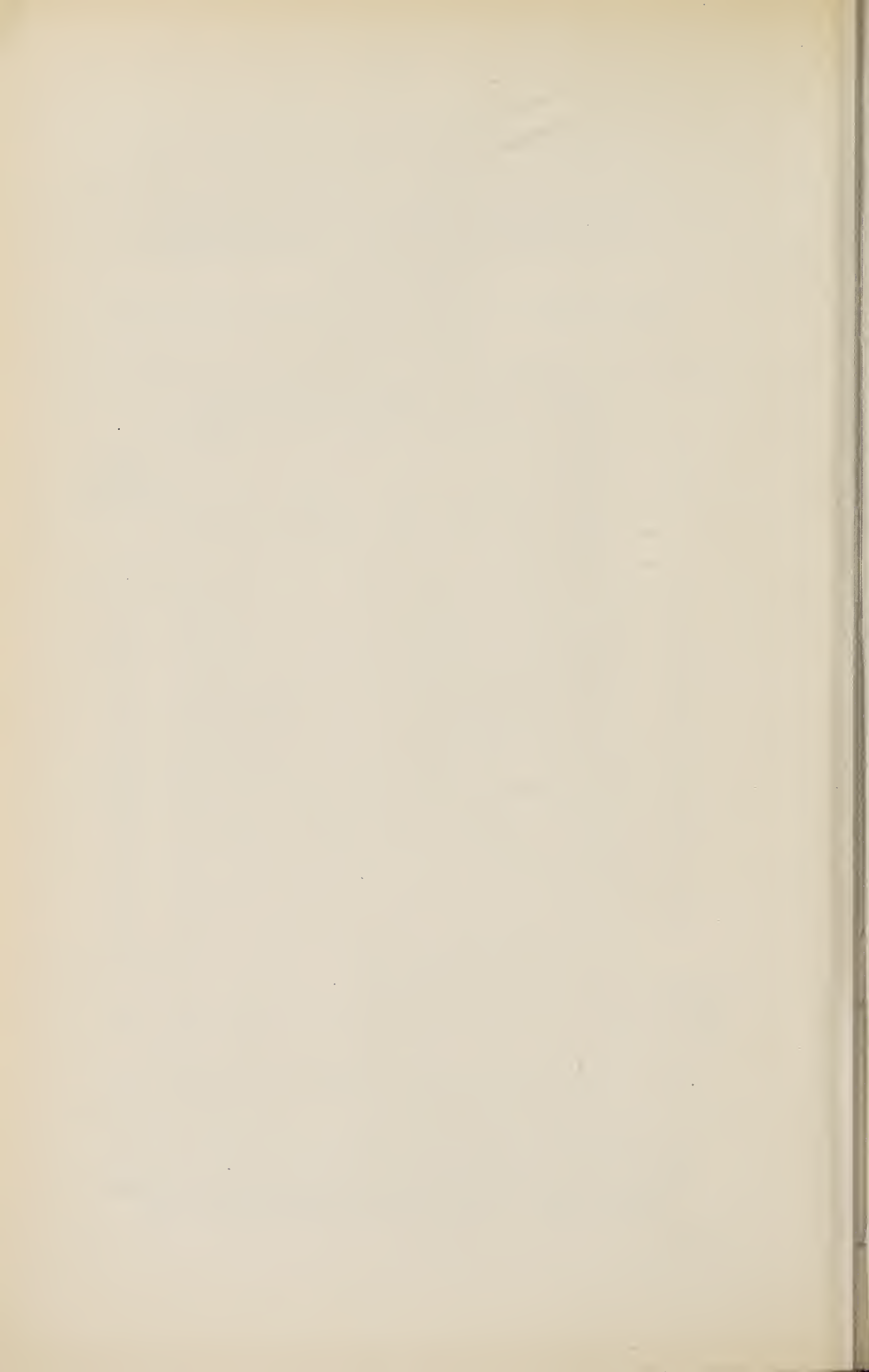
## WALSALL COUNTY BOROUGH.

Vital Statistics of whole District during 1904 and  
previous years.

Year.	Population estimated to middle of each year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		DEATHS IN PUBLIC INSTITUTIONS
		Number.	Rate.	Number.	Rate per 1,000 Births registered.	Number.	Rate.	
1894	75,000	2570	34·26	392	152·52	1234	16·44	127
1895	76,000	2604	34·26	532	204·30	1563	20·56	129
1896	78,000	2693	34·52	454	168·58	1442	18·48	134
1897	80,000	2751	34·38	550	199·92	1666	20·82	137
1898	81,000	2921	36·06	470	160·92	1503	18·55	154
1899	83,000	2804	33·78	565	201·49	1617	19·48	158
1900	84,000	2858	34·02	560	195·94	1698	20·21	167
1901	86,500	2958	34·19	516	174·44	1522	17·59	164
1902	87,500	3043	34·77	424	139·33	1421	16·24	161
1903	88,500	3054	34·5	462	151·27	1521	17·18	165
Averages for years 1894-1903	81,950	2825	34·47	492	174·87	1518	18·55	149
1904	90,000	3009	33·43	537	178·46	1670	18·55	181

Area of District in acres (exclusive of area covered by water) 7,358.

Estimated Total population at all ages, 90,000; Number of inhabited  
houses, 19,800. Average number of persons per house, 4·54.



SEVENTH ANNUAL REPORT  
OF THE  
CHIEF SANITARY INSPECTOR  
for the Borough of Walsall,  
for the year ending December 31st, 1904.

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*To the Chairman and Members of the Health Committee.*

MR. CHAIRMAN AND GENTLEMEN,

I have the honour of reporting for your information, the work carried out under your instructions in my department during the year ending December 31st, 1904.

Changes of the staff were made in March when two of the Assistant Inspectors, Messrs. Lucas and Widger, resigned to take up similar appointments at Middlesbrough and Penge respectively, the vacancies were filled by Messrs. Rawling and Large.

In consequence of the decrease in the cases of notified disease, the District Inspectors have been able to give complete attention to their routine duties and especially in connection with house to house inspection, there being an increase of upwards of 4,500 houses visited as compared with 1903. The examination of work in progress for the abatement of nuisances (principally new drainage work) has occupied a great portion of the Inspectors' time, in some cases it has been necessary to make from 12 to 20 visits before the work for the abatement of a nuisance was satisfactorily completed.

The total number of inspections made is 17,884, there being in No. 1 Districts 5 662 visits, in No. 2 District 6,321 visits, and in No. 3 District 5,901 visits, in addition to this there have been something like 2,000 visits made in each district for the re-inspection of nuisances under notice.

In July an improved system was inaugurated for the removal of Market refuse by sending a cart at 1 p.m. for receiving fish refuse, unsound fruit or vegetables, and refuse from packing, which is then removed and disposed of, any further accumulations are collected immediately at the close of the Market.

Tables giving full details of the work performed in each district in connection with nuisance abatement, visits made to Dairies, Cowsheds and Milkshops, Bakehouses, Slaughter-houses, Fishyards and Workshops, the number of samples taken under the Food and Drugs Acts, the inspections made under the Canal Boats Acts, the Magisterial proceedings, quantity of unwholesome food destroyed, an analysis of the cases of Infectious Disease, and a list of streets in which Infectious Diseases have occurred are to be found in the Report.

I am, Mr. Chairman and Gentlemen,

Your obedient servant,

ARTHUR T. HUBBLE,

*Chief Sanitary Inspector.*

Health Department,

Borough Offices,

Walsall,

January 20th, 1905.



Table I.

Number of Notices requiring abatement of Nuisances, &amp;c.

	No. 1 Dist	No. 2 Dist.	No. 3 Dist.	
To remedy defective drains, water closets, privies and ashpits ... ..	288	299	295	
To repair sinks and fix tubes ... ..	75	63	92	
To repair urinals ... ..	8	17	8	
To repair manure pits ... ..	1	1	5	
To cleanse ditches or cesspools ... ..		33	19	
To remove stagnant water in cellars ... ..	5	5	2	
To cleanse soft water cisterns ... ..	12	8	2	
To remove offensive accumulations ... ..	19	17	8	
To abate nuisance from the keeping of animals or poultry ... ..	31	38	17	
To render houses fit for human habitation ... ..	3		2	
To repair dwelling houses ... ..	26	38	59	
To repair or fix rain water spoutings ... ..	38	11	15	
To white-wash, purify and cleanse dwellinghouses ... ..	8	1	3	
To reduce over-crowding in dwelling houses ... ..	13	9	21	
To reduce over-crowding in living vans ... ..	—	—	2	
To lay cement concrete floor in slaughter-house ... ..	—	—	1	
To lime-wash, purify and cleanse workshops ... ..	68	50	14	
To reduce over-crowding in workshops ... ..	1	—	—	
To provide means of ventilation for workshops ... ..	1	2	—	
To provide means of ventilation for bakehouse.. ... ..	—	—	1	
To repair workshops ... ..	—	2	1	
To abate nuisance caused by emission of black smoke ... ..	—	2	—	
To provide drains sufficient for effectual drainage ... ..	5	5	26	
To provide water closets, privies, or ashpits ... ..	18	7	11	
To provide drinking water ... ..	13	10	11	
Notices served under Walsall Corporation Act, 1890.				
To pave back yards ... ..	13	4	—	
To disconnect sink, bath, or lavatory waste pipes from sewer ... ..	8	3	3	
To cleanse water closets or privies (notice to tenants) ... ..	167	77	99	
To SURVEYOR :—				
Alleged dangerous buildings ... ..	22	10	9	
Alleged dangerous wells ... ..	2	1	1	
Defective spouting ... ..	1	1	—	
Insufficient water supply ... ..	—	2	—	
Insufficient privy accomodation at work- shops ... ..	—	1	—	
Buildings erected without plans ... ..	4	—	1	
Total	850	717	728	2295
To cleanse ashpits ... ..				6900
				9195
No of nuisances remaining on books December 31st, 1903 ... ..	44	52	62	
No of nuisances reported during the year ... ..	710	653	648	
Total	754	705	710	
No of nuisances removed during the year ... ..	724	672	671	
No of nuisances remaining on books December 31st, 1904 ... ..	30	33	39	

Table II.

Alterations made, and new Structures provided in  
compliance with notices.

	No. 1 Dis.	No. 2 Dis.	No. 3 Dis.
No. of old privies converted into water closets	55	98	128
New drains (yards in length) ... ..	1665	1035	1700
No. of drain traps ... ..	299	189	225
No. of ventilating shafts ... ..	51	53	54
No. of inspection chambers ... ..	32	33	44
No. of new pans in water closets ... ..	36	38	19
No. of new traps in water closets ... ..	23	24	14
No. of water closets repaired ... ..	70	42	7
No. of privies repaired ... ..	15	41	85
No. of ashpits repaired ... ..	25	32	57
No. of ashpits roofed ... ..	9	12	74
No. of urinals repaired ... ..	5	6	4
No. of manure pits repaired ... ..	2	4	1
No. of yards paved or repaved ... ..	36	15	15
No. of drains cleared ... ..	77	89	66
No. of water closets cleared ... ..	55	69	27
No. of new sanitary sinks ... ..	130	70	126
No. of sinks fitted with sink tubes ... ..	155	152	178
No. of sink, bath, or lavatory waste pipes dis- connected from sewer ... ..	15	3	5
No. of new water closets ... ..	19	10	13
No. of new soil pipes ... ..	3	2	—
No. of new privies ... ..	1	—	6
No. of new ashpits ... ..	11	7	14
No. of new urinals ... ..	3	7	3
No. of new cesspools for drainage ... ..	1	—	7
No. of new manure pits ... ..	2	—	1
No. of cellar drains disconnected ... ..	—	5	9
No. of privies demolished and removed ... ..	8	3	5
No. of ashpits demolished and removed ... ..	3	3	1
No. of urinals demolished and removed ... ..	6	9	2
No. of old pan closets taken out (modern closets substituted) ... ..	1	1	2
No. of houses drained to sewer ... ..	—	4	65
No. of houses drained to covered cesspool ... ..	2	—	10
No. of stables or pigstyes drained to sewer..	—	10	7
Samples of Water submitted for Analysis.			
No. of samples taken ... ..	14	21	10
No. certified as good for drinking ... ..	1	6	—
"  "  "  unsafe  "  ... ..	12	8	6
"  "  "  unfit  "  ... ..	1	7	4
No. of wells closed ... ..	3	8	2
No. of houses supplied with S.S. water ... ..	10	17	1

**Table III.**

Result of Notices requiring abatement of Nuisance from  
from over-crowding in dwelling houses.

	No. 1 Dis.	No. 2 Dis.	No. 3 Dis.
No. of houses in which the number of inmates were reduced ... ..	5	5	12
No. of houses vacated ... ..	8	4	14

**Table IV.**

Result of Notices requiring Dwelling Houses to be  
rendered fit for human habitation.

	No. 1 Dis.	No. 2 Dis.	No. 3 Dis.
<b>Under Public Health Act.</b>			
No. of houses closed voluntarily by owner ...	—	—	4
No. of houses repaired and cleansed throughout	49	19	58
No. of houses having had roofs repaired and spoutings fixed ... ..	100	53	105
No. of houses cleansed and lime-washed by occupiers ... ..	4	2	1
No. of wash-houses repaired ... ..	65	16	28
No. of new wash-houses provided ... ..	7	1	6
<b>Under Housing of the Working Classes Act.</b>			
No. of houses repaired ... ..	9	—	—
No. of houses closed .. ..	4	—	1

#### Addresses of Houses closed voluntarily.

No. 2 back, 527 Bloxwich Road, Leamore, and Nos. 3, 4 and 5 Sellman's Hill, Little Bloxwich.

#### Addresses of Houses closed by Justices Order.

No. 22 Hill Street, Nos. 25, 26 and 27 Pool Street, and No. 29 Blakenall Heath.

In No. 1 District, 2 cottages numbered 5 and 6 at the rear 56 James Street and 1 cottage at the rear 93 Lower Rushall Street, have been demolished and the sites cleared.

In No. 3 District the following houses have been demolished:—

3 cottages in The Indies, Bloxwich, which were closed in 1896.

Nos. 1, 2, 3, 4, 5, 6, 7 and 8, in 5 Court Stafford Street, closed in 1902.

Nos. 11, 12, 13, 14, 15 and 16 Pinfold, Bloxwich, closed by order of Justices 1903.

No. 55 Green Lane closed 1903.

No. 2, back 527 Bloxwich Road, Leamore, closed this year.



130 written and 25 verbal complaints of alleged nuisances have been received at the office and immediately investigated.

972 letters and memoranda have been sent out and 582 received exclusive of reports.

House to house inspections have been made in each District.

No. 1 District	...	...	...	3642	houses
No. 2 District	...	...	...	3992	"
No. 3 District	...	...	...	3933	"
Total				<u>11,567</u>	"

## Table V.

### Dairies, Cowsheds and Milkshops.

Each cowshed is lime-washed at least three times during the year.

	No. 1 Dist.	No. 2 Dist.	No. 3 Dist.
No. of persons registered during the year as cow-keepers, or milk-sellers ... ..	23	22	17
No. of cow-keepers on register ... ..	15	6	22
No. of milk-sellers on register ... ..	65	88	49
No. of milking cows kept ... ..	226	29	181
No. of inspections... ..	237	163	180

### Bakehouses.

Each bakehouse is lime-washed at least twice during the year.

	No. 1 Dist.	No. 2 Dist.	No. 3 Dist.
No. of Bakehouses in use ... ..	22	26	23
No. of underground bakehouses ... ..	—	—	1
No. of bakehouses registered as factories ... ..	2	4	1
No. of inspections ... ..	191	197	183
No. of bakehouses ventilated (after notice) ... ..	—	—	1



## Slaughter-houses.

	No. 1 Dist	No. 2 Dist	No. 3 Dist
No. of registered slaughter-houses now in use	12	11	13
No. of licensed slaughter-houses now in use	1	5	5
Total ... ..	13	16	18
No. of slaughter-house licenses renewed ...	1	4	3
No. of applications for licenses for new slaughter-houses granted ... ..	—	—	2
No. of applications for licenses for new slaughter-houses refused ... ..	1	3	—
No. of notices of occupation received ...	1	1	—
No. of slaughter-houses in which cement concrete floors have been laid ... ..	—	—	1
No. of inspections ... ..	622	678	685

## Fish Yards.

	No. 1 Dist	No. 2 Dist	No. 3 Dist
No. of fish yards ... ..	3	6	3
No. of inspections ... ..	143	225	128

## Workshops.

	No. 1 Dist	No. 2 Dist	No. 3 Dist
No. of new workshops notified by H M. Inspector of Factories ... ..	20	38	11
No. of new workshops reported by the Sanitary Inspectors ... ..	10	11	18
No. of removals reported by the Sanitary Inspectors ... ..	43	43	14
No. of workshops now on the Register ...	296	292	128
No. of complaints received from H.M. Inspector of Factories ... ..	5	14	5
No. of notices served relative to insanitary conditions at workshops ... ..	70	54	16
No. of Inspections ... ..	461	405	230
Work carried out in compliance with notices, viz. :—			
No. of rooms lime-washed and cleansed ...	113	69	33
No. of workshops in which means of ventilation have been provided ... ..	—	8	—
No. of workshops repaired ... ..	—	2	—
No. of other nuisances abated (principally connected with sanitary conveniences) ...	11	11	3

Table VI.

## Sale of Food and Drugs Acts.

Summary of samples analysed during the year ending December 31st 1904, showing how many samples of each article were analysed and how many were reported by the Analyst as adulterated. A statement of legal proceedings will be found in table VII.

Description of Article analysed.	No. 1 District		No. 2 District		No. 3 District		Total in the Borough.	
	Genu-ine	Adult-erated	Genu-ine	Adult-erated	Genu-ine	Adult-erated	Genu-ine	Adult-erated
Milk ... ..	22	4	22	2	11	5	55	11
Butter ... ..	11	—	6	—	10	—	27	—
Cheese ... ..	4	—	2	—	5	—	11	—
Margarine ... ..	—	—	1	—	—	—	1	—
Lard ... ..	2	—	1	—	3	—	6	—
Jam ... ..	—	—	1	—	—	—	1	—
Beer ... ..	1	—	—	—	—	—	1	—
Brandy ... ..	—	—	2	2	—	—	2	2
Coffee ... ..	—	—	—	—	3	—	3	—
White Pepper ... ..	1	—	2	—	4	—	7	—
Whiskey ... ..	1	—	—	—	2	—	3	—
Castor Oil ... ..	1	—	—	—	—	—	1	—
Glycerine ... ..	1	—	—	—	—	—	1	—
Flowers of Sulphur ... ..	—	—	—	—	1	—	1	—
Total .. ..	44	4	37	4	39	5	120	13

8 of the milk samples were obtained in course of delivery, 2 of which were found to be adulterated.

35 of the samples were purchased by private persons on behalf of and according to instructions given by the Inspector, and each sample was certified as genuine.

20 purchases of margarine were made and in 8 cases the trader was cautioned and advised as to keeping a label on each parcel of margarine exposed for sale, and one was cautioned for using a wrapper on which the word "margarine" was very illegible.

4 milk-sellers were cautioned and advised for retailing milk in the Public streets from cans which did not bear the name and address of the retailer.

2 separate premises wherein the business of wholesale dealers in margarine is carried on, have been registered during the year on the application of the occupiers thereof.

Report under the Canal Boats Acts, 1877 and 1884.

(Inspector : ARTHUR T. HUBBLE).

The Inspector visits the Canal several times weekly in different parts of the Borough.

No. of Boats inspected	...	...	...	...	...	...	120
4 of the boats were in an excellent condition, 87 were good, 28 were fair and 1 boat the fore cabin was bad and the aft fair.							
During the year the boats were found to be generally well kept and conforming to the requirements of the acts and regulations, the occupants have been in good health and the cabins in a wholesome condition.							
No. of men on boats inspected	...	...	...	...	...	...	191
No. of women on boats inspected	...	...	...	...	...	...	63
No. of children on boats inspected, under 5 years of age	...	...	...	...	...	...	33
No. of children on boats inspected, 5 to 12 years of age	...	...	...	...	...	...	44
No. of boats conforming to acts and regulations	...	...	...	...	...	...	101
No. of boats with one or more infringements	...	...	...	...	...	...	19

There is a considerable decrease this year in the number of women and children living on registered boats.

Nature of Infringements.	{	Marking	...	...	...	...	...	1
		Absence of Certificate	...	...	...	...	...	5
		Painting	...	...	...	...	...	2
		Dilapidation	...	...	...	...	...	2
		Ventilation	...	...	...	...	...	10
Total Infringements met with		...	...	...	...	...	...	20
Total Infringements remedied		...	...	...	...	...	...	20
No. of legal proceedings taken		...	...	...	...	...	...	0

For securing compliance with the acts and regulations, in 9 cases the ordinary blue form was used, and in the other cases either verbal instructions were given to the masters of the boats or letters were sent to the owners.

The 10 cases of insufficient means of ventilation occurred on boats loaded with bags of wheat which were so placed as to effectually block up the bulkhead slide, the explanation given by the masters of the boats was that the cargo being light but bulky had to be kept well to the aft of the boat, otherwise the bow would be so deep in the water as to impede progress during the journey. I think if the openings for ventilating the cabin were placed one on each side of the boat instead of having a slide fixed in the bulkhead adjoining the hold, the ventilation would be much more satisfactory.



Table VII.

## Magisterial Proceedings.

No.	Act under which proceedings were taken	Nature of offence.	Date of hearing.	Result.
1	Housing of the Working Classes Act	Premises unfit for human habitation	1904 March 8th ...	Closing order made.
2	ditto	ditto	ditto	Closing order made.
3	Public Health Act 1875	Not abating nuisance (foul water closets, sinks and drains. ...	March 15th ...	Order made for work to be completed within 14 days.
4	Food and Drugs Acts	Consigning and selling milk 15% deficient in cream. ...	June 24th ...	Adjourned 3 weeks for analysis to be made at Somerset House of third portion of sample. Convicted July 15th, Fined £5 os. od. and costs, total £6 13s. od.
5	Food and Drugs Acts	Selling milk which shews 5% of added water and 9% deficiency in cream. ...	June 24th ...	Adjourned until July 15th. Fined £3 3s. od. and costs, total £4 8s. 6d.
6	Food and Drugs Acts	Selling milk 13% deficient in cream	June 24th ...	Adjourned until July 15th. Summons withdrawn.
7	Food and Drugs Acts	Selling milk 27% deficient in cream. ..	June 29th ...	Fined 40/- and costs total £2 18s. 6d.
8	Public Health Act 1875	Not abating nuisance (defective roofs and sinks) ...	July 26th ...	Adjourned until September 6th. Order made with costs 7/6.
9	Food and Drugs Acts	Selling milk 17% deficient in cream. ...	October 5th ...	Fined 40/- and costs total £2 18s. 6d.



No.	Act under which proceedings were taken.	Nature of offence.	Date of hearing.	Result.
10	Food and Drugs Acts	Selling milk 18% deficient in cream	<sup>1904</sup> October 5th ...	Fined 40/- and costs total £2 18s. 6d.
11	Public Health Acts and Housing of the Working Classes Act.	Premises unfit for human habitation	October 14th ...	Closing order made
12	Public Health Act, 1875.	Not abating nuisance (foul privies and ashpit). ...	November 18th	Work done. Summons withdrawn.

Table VIII.

### Unwholesome Food destroyed.

Beef	...	...	...	...	...	...	93 lbs.
Mussels	...	...	...	...	...	...	2 cwt.
Cherries	...	...	...	...	...	...	20 lbs.
Pears	...	...	...	...	...	...	1 cwt.
Tomatoes	...	...	...	...	...	...	3½ "
Head and Lungs of cow	...	...	...	...	...	...	—

Table IX.

## Infectious Diseases.

Cases notified under the Infectious Diseases (Notification) Act, 1889, from January 1st, 1904 to December 31st, 1904.

Nature of Disease.	Wards.									
	Bridge.	Paddock.	Hatherton.	Caldmore.	Pleck.	Birchills.	Leamore.	Bloxwich.	Workhouse.	Walsall and District Hospital.
Small-pox ...	—	—	—	—	—	—	—	—	1	—
Diphtheria ...	8	9	—	14	7	3	2	—	—	1
Membranous Croup ...	2	1	4	2	—	5	—	—	—	2
Erysipelas ...	6	6	6	10	11	17	13	8	9	2
Scarlatina ..	9	39	8	84	45	21	76	49	—	1
Enteric Fever ...	2	5	6	4	3	7	2	4	—	—
Puerperal Fever ...	2	1	—	—	1	1	—	—	—	—
Total ...	29	61	24	114	67	54	93	61	10	6

Total No. of cases notified, 519.

	No. 1 Dist	No. 2 Dist.	No. 3 Dist.
No. of houses in which Infectious Diseases have occurred ...	88	161	138
No. of visits to above houses ...	352	644	552
No. of houses fumigated by Inspectors ...	89	171	129

No. of persons supplied with brushes 1270  
 " " " " lime 1508

Number of Notices sent to Schools respecting Infectious Disease in houses from which children attend school, January 1st, 1904 to December 31st, 1904.

Name of School.				No of Notices sent re Infected Hous s.	No. of Notices sent Houses free from Infection.
All Saints (James Bridge)	..	...	...	2	3
Bath Street	...	...	...	5	6
Blakenall	...	...	...	7	7
Bridge	...	...	...	11	12
Butts	...	...	...	9	10
Caldmore	...	...	...	11	11
Catholic (Bloxwich)	...	...	...	2	2
Centenary	...	...	...	1	1
Croft Street	...	...	...	3	7
Elmore Green	...	...	...	12	13
Hillary Street	...	...	...	27	32
Leamore	...	...	...	23	32
Little Bloxwich	...	...	...	1	1
Mount Zion (Temporary)	...	...	...	—	1
National (Bloxwich)	...	...	...	15	16
North Walsall	...	...	...	1	1
Palfrey	...	...	...	26	40
Pelsall National	...	...	...	1	1
Queen Mary's	...	...	...	1	3
Queen Street (Temporary)	...	...	...	2	3
Rushall	...	...	...	4	4
St. Andrews	...	...	...	5	7
St. George's (Temporary)	...	...	...	5	5
St. John's (Pleck)	...	...	...	4	4
St. Matthew's	...	...	...	4	5
St. Patrick's	...	...	...	4	4
St. Peter's (John Street)	...	...	...	—	2
Tantarra Street	...	...	...	14	14
The Mount	...	...	...	3	4
Wednesbury Road (Temporary)	...	...	...	9	11
Wesley (Ablewell Street)	...	...	...	9	15
Whitehall	...	...	...	19	24
Whitehouse Street	...	...	...	1	2
Wisemore	...	...	...	6	6
Wolverhampton Road	...	...	...	15	19
Private Schools	...	...	...	6	6
Total				268	334

Notices to Sunday Schools of Infected houses ... 169

Streets and Places in the Borough where Infectious Diseases have been reported and visited by the Inspectors during the year 1904, alphabetically arranged in the different wards of the Borough.

### Bridge Ward.

STREETS.			No. of cases of Diphtheria	No. of cases of Membranous Croup	No. of cases of Erysipelas	No. of cases of Scarlet Fever	No. of cases of Enteric Fever	No. of cases of Puerperal Fever
Ablewell Street	...	...	3			1		
Bath Street	...	...				1		
Birmingham Street	...	...			1	1		
Dudley Street	...	...			1			
Ditch, The	...	...						1
George Street Terrace	...	...				1		
Hart Street	...	...		1				
Lower Hall Lane	...	...		1	1			
Mountrath Street	...	...	2			2		
New Street...	...	...	1		2			
Rushall Street (Upper)	...	...	1				2	1
School Street	...	...			1			
S. Paul's Street	...	...				1		
Wisemore	...	...	1			2		

### Paddock Ward.

Ball Street	...	...			1	3		
Bank Street	...	...				1		
Beacon Street	...	...				3		
Bernard Street	...	...			1			
Birmingham Road	...	...				2	1	
Bott Lane	...	...	1					
Charlotte Street	...	...				1		
Eldon Street	...	...	1					
Essex Terrace	...	...	1					
Florence Street	...	...	2					
Holtshill Lane	...	...				1		
Lichfield Street	...	...				2	1	
Lime Street	...	...				7		



Streets and Places—*continued.*

STREETS.			No. of cases of Diphtheria	No. of cases of Membranous (roup	No. of cases of Erysipelas	No. of cases of Scarlet Fever	No. of cases of Enteric Fever	No. of cases of Puerperal Fever
Littleton Street	...	...			1			
Lower Forster Street	...	...				1		
Lower Rushall Street	...	...				1		
Paddock Lane	...	...		1	2	6	1	
Pool Street	...	...	1			3		
Richmond Street	...	...	1					
Rowley Street	...	...					1	
Sutton Road	...	...				2		
Tantarra Street	...	...	1		1	2		
Tong Street	...	...				1		
Union Street	...	...				1		
Walsingham Street	...	...	1			1	1	
Ward Street	...	...				1		1

## Hatherton Ward.

Cecil Street	...	...			1	1		
Chapel Street	...	...			2			
Foden Road	...	...					1	
Garden Street	...	...			1			
Hatherton Street	...	...				2	1	
James Street	...	...				1		
John Street	...	...				1		
Lichfield Road	...	...				1	1	
North Street	...	...				1	1	
Ryecroft Cottages	...	...		1				
Stafford Street	...	...			1		2	
Teddesley Street	...	...		2	1	1		
Westbourne Street	...	...		1				

## Caldmore Ward.

Streets and Places—*continued*.

STREETS.			No. of cases of Diphtheria	No. of cases of Membranous Croup	No. of cases of Erysipelas	No. of cases of Scarlet Fever	No. of cases of Enteric Fever	No. of cases of Puerperal Fever
Alexandra Street	...	...				1		
Alexandra Terrace	...	...		1				
Arundel Street	...	...				1		
Bath Road	...	...	1			4		
Bescot Street	...	...				2		
Caldmore ...	...	...				1		
Caldmore Road	...	...				1		
Cambridge Street	...	...				1		
Camden Street	...	...				8		
Cobden Street	...	...				4		
Corporation Street	...	...				3		
Countess Street	...	...				3		
Dale Street...	...	...	2			1		
Doveridge Fold	...	...				1		
Doveridge Place	...	...				1		
Hope Street	...	...				1		
Lord Street	...	...					1	
Milton Street	...	...	1		1	10		
Newhall Street	...	...			1			
Oxford Street Caldmore	...	...	1			6		
Port Street...	...	...				1		
Queen Street, Palfrey	...	...	1			5		
Rosamond Street	...	...				2		
Sandwell Street	...	...	1			3		
Small Street	...	...			1			
South Street	...	...				1	1	
Spout Lane	...	...	2			2		
Stratford Street	...	...			1			
Thelma Street	...	...				2		
Truda Street	...	...			1			
Victor Street	...	...				2	1	
Villiers Street	...	...				1		
Wallows Lane	...	...			1	4		
Wednesbury Road	...	...	1		1			
Westbromwich Street	...	...	1					
Westbromwich Road	...	...	2	1	1	3	1	
Weston Road	...	...				2		
White Street	...	...				1		
Whitehall Road	...	...	1		1	4		
Whitmore Street	...	...				1		
Windsor Street	...	...			1	1		

**Pleck Ward.**  
Streets and Places —*continued.*

STREETS.			No. of cases of Diphtheria	No. of cases of Membranous Croup	No. of cases of Erysipelas	No. of cases of Scarlet Fever	No. of cases of Enteric Fever	No. of cases of Puerperal Fever
Bridgeman Street	...	...			2			
Chapel Street	...	...				4		
Charles Street	...	...			1			
Checketts Street	...	...				1		
Darlaston Road	...	...	1			5		
Ford Street	...	...				1		
Hillary Street	...	...				2		
Kingsley Road	...	...				2		
Long Street	...	...	4		1			
Manor Road	...	...				2		
Navigation Street	...	...				1		
Oxford Street, Pleck	...	...			1	4	1	
Pleck Road	...	...				6	1	
Prince Street	...	...	2		1	5	1	
Queen Street, Pleck	...	...			1			1
Scarborough Road	...	...			1	4		
Slaney Road	...	...				1		
Wallows Lane	...	...			1	3		
Wolverhampton Road	...	...			2	4		

**Birchills Ward.**

Bentley Lane	...	...		1	1	1		
Birchills Street	...	...	1					
Birchills (The)	...	...		1	1	1		
Birch Street	...	...				1		
Blue Lane	...	...			2	2		
Dalkeith Street	...	...				2		
Farringdon Street	...	...			1	1		
Francis Street	...	...					1	
Green Lane	...	...			3		2	
Hollyhedge Lane	...	...				1		
Hospital Street	...	...				1		
Jessel Road	...	...			1	2		
Lewis Street	...	...			1	1		
Little Street	...	...					1	
Long Acre Street	...	...	1					

Streets and Places—*continued.*

STREETS.			No. of cases of Diphtheria	No. of cases of Membranous Croup	No. of cases of Erysipelas	No. of cases of Scarlet Fever	No. of cases of Enteric Fever	No. of cases of Puerperal Fever
Margaret Street	...	...			I			
Pargetter Street	...	...	I		I			
Penkridge Street	...	...				I		
Raleigh Street	...	...			2	3		
Regent Street	...	...			I	I	I	
Short Acre Street	...	...		2				
Stafford Street	...	...			I	I		I
Wolverhampton Road	...	...				2		
Wolverhampton Street	...	...		I				
Whitehouse Street	...	...			I		2	

## Leamore Ward.

Beacon View	...	...				I		
Birchills (The)	...	...			I			
Bentley Lane	...	...				2		
Blakenall Heath	...	...				7		
Blakenall Lane	...	...			I	I		
Bloxwich Road	...	...			2	14	I	
Booth Street	...	...			I	I		
Chapel Street	...	...			I	5		
Coalpool ...	...	...	I			4		
Comwall Street	...	...				I		
Cope Street	...	...			I	3		
Essex Street	...	...			I			
Field Street	...	...				3		
Foster Street	...	...			I	I		
Gladstone Street	...	...	I		I			
Green Lane	...	...			I	2		
Hatherton Lane	...	...				10		
Harden Road	...	...			I	I		
Harden Lane	...	...			I	I		
High Street	...	...				5		
May Street	...	...				2		
Portland Street	...	...				3		
Providence Lane	...	...				2		
Victoria Terrace	...	...					I	
West Street	...	...				7		



## Bloxwich Ward.

Streets and Places—*continued*.

STREETS.			No. of cases of Diphtheria	No. of cases of Membranous Croup	No. of cases of Erysipelas	No. of cases of Scarlet Fever	No. of cases of Enteric Fever	No. of cases of Puerperal Fever
Alfred Street	...	...				1		
Bell Lane	...	...				3		
Church Street	...	...			1	5	1	
Elmore Row	...	...			1	1		
Elmore Green Road		...				1		
Field Street	...	...				2		
Fishley Cottages	...	...				1		
High Street	...	...			2	6		
Harrison Street	...	...				5	1	
Little Bloxwich	...	...				1	1	
Little Bloxwich Lane		...				5		
New Street	...	...				2	1	
Park Road	...	...				2		
Parker Street	...	...			1	1		
Pinfold	...	...				2		
Reeves Street	...	...				8		
Revival Street	...	...			1	3		
Sandbank	...	...			1			
Sneyd Lane	...	...			1			

